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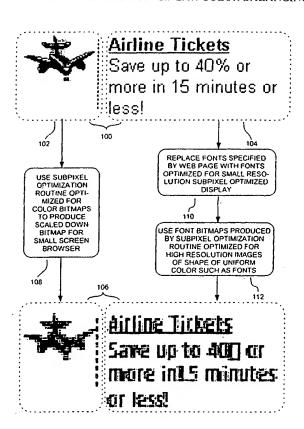
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							[Conti	inued on next p	oage]

(54) Title: METHODS, SYSTEMS, AND PROGRAMMING FOR PRODUCING AND DISPLAYING SUBPIXEL-OPTIMIZED FONT BITMAPS USING NON-LINEAR COLOR BALANCING



(57) Abstract: A method of producing a sub pixel resolution representation of a shape suitable for display on a sub pixel addressed screen. The method comprises producing a scaled sub pixel optimized image of a bitmap image by associating a luminosity value with each sub pixel of the scaled image as a function of the percent of the area of the sub pixel's area in the image that is covered by the shape and a color balancing function designed to distribute a portion of a sub pixel's luminosity value that otherwise would cause color imbalance to nearby sub pixels of different colors. The percent of a sub pixel's luminosity values that is so distributed is a function of the percent of the sub pixel's luminosity value, which causes color imbalance. An advantage is that it reduces the amount of luminosity value distributed for color balance purposes to approximately only that amount which is necessary to achieve color balance, and increases the clarity of sub pixel optimized images.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/14282

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : G09G 5/00,5/38,5/06 US CL : 345/613 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S.: 345/613, 619, 660										
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched The raster tragedy at low resolution, Beat Stamm, Presentation at the training session										
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) IEEE										
C. DOCUMENTS CONSIDERED TO BE RELEVANT										
Category * Citation of document, with indication, where appropriate, of the relevant pass	sages Relevant to claim No.									
X US 6,339,426 B1 (LUI et al) 15 January 2002 (15.01.2002), column 4, lines 15-column 17, lines 1-7; column 10, see fig. 7; column 11, lines 10-27; Fig. 1; Fig. 29; Fig. 6; column 3, lines 59-67; column 17, lines 15-55; column 3, line 40-58; column 5-15; column 4, lines 15-24.	n 11, lines 10-27; Fig. 1; Fig. 2; Fig. 38;41-45									
X The raster tragedy at low resolution, Beat Stamm, 29 October 1997 (29.10.1997), Page 2, Fig. 2.	Page 4; 7,13-14,22,39,40									
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Further documents are listed in the continuation of Box C. See patent family a	nuex.									
date and not in conflict to	date and not in conflict with the application but cited to understand the principle or theory underlying the invention									
	elevance; the claimed invention cannot be not be considered to involve an inventive step									
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as "Y" document of particular r specified) considered to involve an	when the document is taken alone									
"O" document referring to an oral disclosure, use, exhibition or other means being obvious to a perso										
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